

ANTI-RECEPTOR AND GROWTH BLOCKING AGENTS TO THE  
VITAMIN B<sub>12</sub>/TRANSCOBALAMIN II RECEPTOR AND BINDING SITES

Abstract of the Disclosure

There is disclosed anti-receptor and growth blocking agents to the vitamin B<sub>12</sub>/transcobalamin II receptor and binding sites. The anti-receptor and growth blocking agents antagonize or modulate the vitamin B<sub>12</sub>/transcobalamin II receptor or binding sites, causing cellular depletion of vitamin B<sub>12</sub>, thus inhibiting cell division or causing apoptosis. Anti-receptor and growth blocking agents of the present invention include proteins (such as antibodies and antibody derivatives), peptides and small organic molecules. In a preferred embodiment, the anti-receptor agent is an antibody to the vitamin B<sub>12</sub>/transcobalamin II receptor.